

## Overview

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The DXS12mkII is equipped with an upgraded 1020W power amplifier producing an impressive 134dB and reaching as low as 42Hz producing clean, clear, heart-stopping bass that defies its lightweight construction. Try selecting our D-XSUB “BOOST” or “XTENDED LF” low frequency processing settings, turn up the volume, and watch the eyes widen and jaws drop. All this in a small, easy to install enclosure. Listeners will need to search for the source of this much low frequency performance.



## Features

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- 12" powered subwoofer with 1020W class-D power amplifier
- High-output 12" woofer with band-pass design cabinet for superb bass response with a maximum 134dB SPL
- 42Hz-150Hz frequency range is ideal for small to medium-sized applications
- Built-in D-XSUB processing allows you to extend the frequency response even lower
- Plywood cabinet is durable and acoustically optimized for minimal distortion
- Cardioid mode for bass management onstage
- Selectable X-OVER (80/100/120 Hz)
- M20 and Ø35 mm dual pole sockets
- Optional Speaker Wheels (SPW-1) and Speaker Cover (SPCVR-DXS122)

## Specifications

### General Specifications

System Type	Powered subwoofer, Band-pass type	
Components	12" cone, 2.5" voice coil, Ferrite Magnet	
Frequency Range	(-10dB)	42Hz-150Hz
Output Power*1	Dynamic	1020W
	Continuous	800W
Maximum SPL (1m, on axis)	134dB SPL	
Processing	D-XSUB: BOOST, XTD LF, NORMAL	
Controls	LEVEL, POLARITY, LPF, X-OVER, D-XSUB, CARDIOID, THROUGH/HPF POST, FRONT LED DISABLE, POWER	
Cooling	Natural convection	
Power Requirements	100V-240V, 50Hz/60Hz	
1/8 Power Consumption	100W	
Pole Socket	35mm (depth 80mm) & M20 (threaded depth 25mm)	
Handle	Side × 2	
Material, Finish, Color	Wood, Durable Polyurea Coating, Black	
Dimensions (W x H x D)	400mm x 567mm x 570mm (15.75" x 22.32" x 22.44")	
Net Weight	30.0kg (66.1lbs)	
Optional Accessories	SPCVR-DXS122, SPW-1	

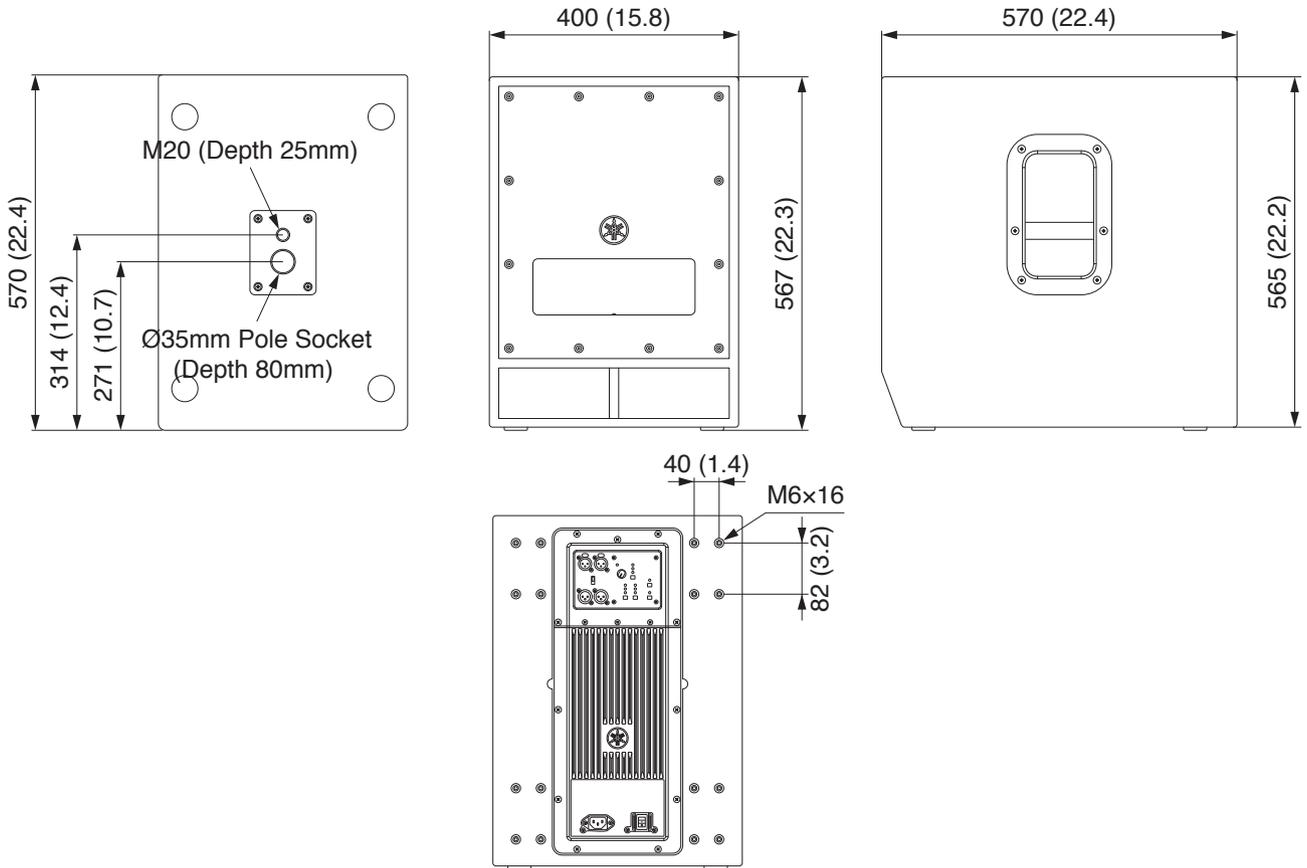
\*1 Power rating (120V, 25°C). This is total value of individual output power.

### Input/Output Specifications

Connectors	Input	INPUT: XLR-3-31 × 2
	Output	THRU: XLR3-32 × 2 (Parallel with INPUT)
Input Impedance	INPUT1: 10kΩ	
Input Sensitivity (LEVEL: Maximum)	INPUT1: +1 dBu	
Input Sensitivity (LEVEL: Center)	INPUT1: +11 dBu	
Maximum Input Level	INPUT1: +24 dBu	

## Dimensions

Unit: mm (inch)



## Options

- Speaker Cover                   SPCVR-DXS122
- Wheel Kit                         SPW-1

## Architectural and Engineering Specifications

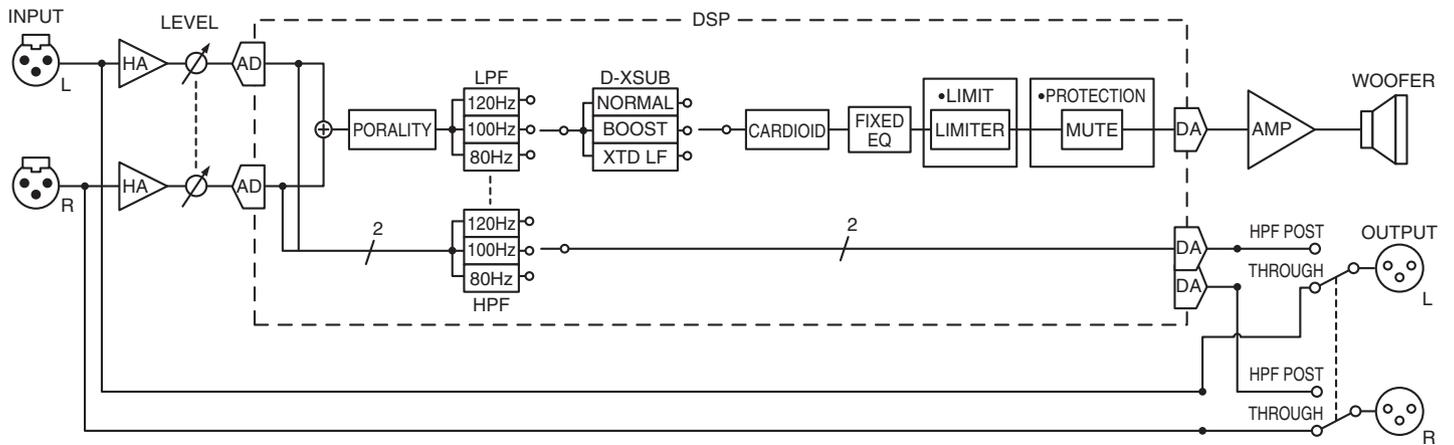
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The Yamaha DXS12mkII Powered Subwoofer shall be a band-pass type subwoofer system incorporating a single 12" cone with a 2.5" voice coil. The subwoofer shall incorporate a class-D amplifier (1020 watts dynamic/800 watts continuous) and DSP functions such as FIR-X tuning (linear phase FIR filters) and D-XSUB (multi-band compression). The amplifier section shall be cooled by natural convection.

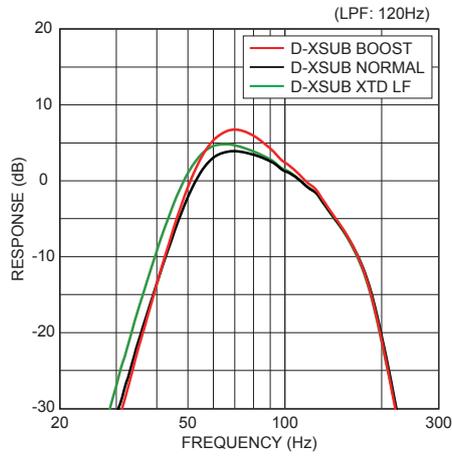
The DXS12mkII Powered Subwoofer shall meet the following performance criteria: Maximum SPL shall be 134 dB at 1 meter, frequency response shall be 42 Hz to 150 Hz at 10 dB below rated sensitivity.

The subwoofer shall have two XLR3-31 connectors for input and two XLR3-32 connectors for Through or HPF POST output. The cabinet shall be constructed of plywood with LINE-X® finish. 35 mm and M20 pole sockets shall be provided. Dimensions shall be 400 (W) x 567 (H) x 570 (D) mm. Weight shall be no more than 30.0kg.

**Block Diagrams**



## Frequency Response



\*All information subject to change without notice.

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Created in January, 2018